## **EAST Search History**

| Ref<br># | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|---|---------------------|---------|------------------|
| L3       | 41   | (("3252426") or ("3306209") or<br>("3834836") or ("3846049") or<br>("4077746") or ("4097196") or<br>("4850544") or ("3791703") or<br>("3922854") or ("3963039") or<br>("4129063") or ("4540345") or<br>("4540221") or ("5076377") or<br>("6408972")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF.    | 2006/12/19 06:16 |
| L4       | 30   | (US-6347927-\$ or US-6247391-\$ or US-6227814-\$ or US-3791703-\$ or US-4939900-\$ or US-3498227-\$ or US-5203803-\$ or US-6517323-\$ or US-6015269-\$ or US-4449444-\$ or US-4508011-\$ or US-5366351-\$ or US-6547531-\$ or US-6547531-\$ or US-659733-\$ or US-5749710-\$ or US-6659733-\$ or US-5062267-\$ or US-5285641-\$ or US-5450987-\$ or US-4478134-\$ or US-6517321-\$ or US-5205124-\$ or US-5850775-\$ or US-6422831-\$).did. or (US-4097196-\$).did. or (US-1840864-\$ or US-2445281-\$ or US-2722889-\$).did. | USPAT;<br>USOCR                                       | OR                  | OFF     | 2006/12/19 05:44 |
| L5       | 2    | hydrodynamic and 4  | USPAT;<br>USOCR                                       | OR                  | OFF     | 2006/12/19 05:44 |
| L6       | 1019 | (417/222.1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/12/19 06:16 |
| L7       | 750  | (417/222.2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/12/19 06:16 |
| L8       | 2554 | (417/269).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/12/19 06:16 |
| S1       | 21   | (("3252426") or ("3834836") or<br>("4077746") or ("3306209") or<br>("3846049") or ("4850544") or<br>("4097196")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2006/11/28 13:30 |

## **EAST Search History**

| S2  | 24  | (("6619325") or ("6578549") or<br>("6408972") or ("5076377") or<br>("4540221") or ("4540345") or<br>("4129063") or ("3963039") or<br>("3922854") or ("3791703")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/06 10:45 |
|-----|-----|---|---|----|-----|------------------|
| S3  | 22  | ("swash plate" or "wobble plate") and ("valve plate" with springs)  | USPAT   | OR | OFF | 2006/11/28 13:36 |
| S4  | 148 | ("swash plate" or "wobble plate") and ("valve plate" with springs)  | USPAT   | OR | ON  | 2006/12/05 15:51 |
| S12 | 2   | ("20050172798").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/07 09:39 |
| S13 | 2   | ("5709535").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/06 14:24 |
| S28 | 14  | ("1840864"   "2445281"   "3364679"  <br>"3464206"   "4223594"   "4478134"  <br>"5062267"   "5354180"   "5593291").<br>PN. OR ("6959638").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/12/07 09:51 |
| S29 | 7   | ("2445281").URPN.   | USPAT   | OR | OFF | 2006/12/15 10:41 |
| S30 | 11  | ("2722889"   "3364679"   "3464206"  <br>"3498227"   "4939900").PN. OR<br>("5062267").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/12/15 10:51 |
| S31 | 24  | (US-3791703-\$ or US-6517321-\$ or US-6510699-\$ or US-4976284-\$ or US-4478134-\$ or US-5368450-\$ or US-5062267-\$ or US-6659733-\$ or US-6227814-\$ or US-6422831-\$ or US-6015269-\$ or US-6422831-\$ or US-5366351-\$ or US-5203803-\$ or US-5450987-\$ or US-6347927-\$ or US-6247391-\$ or US-6517323-\$ or US-4449444-\$ or US-4939900-\$ or US-3498227-\$).did. or (US-2445281-\$ or US-1840864-\$ or US-2722889-\$). did. | USPAT;<br>USOCR                                       | OR | OFF | 2006/12/15 11:00 |
| S32 | 0   | S31 and hydrodynamic  | USPAT;<br>USOCR                                       | OR | OFF | 2006/12/15 11:01 |
| S33 | 2   | S31 and "compression spring"  | USPAT;<br>USOCR                                       | OR | OFF | 2006/12/15 11:51 |
| S34 | 0   | S31 and "conical spring"  | USPAT;<br>USOCR                                       | OR | OFF | 2006/12/15 11:03 |
| S35 | 5   | S31 and controller  | USPAT;<br>USOCR                                       | OR | OFF | 2006/12/15 11:05 |

## **EAST Search History**

| S36 | 1   | "swash plate" and (controller with parameter) and (parameter with rotation)  | USPAT;<br>USOCR              | OR   | OFF | 2006/12/15 11:06 |
|-----|-----|--|------------------------------|------|-----|------------------|
| S37 | 4   | "swash plate" and (controller with parameter) and (parameter with rotation)  | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 11:09 |
| S38 | 13  | "swash plate" and (controller same parameter) and (parameter same rotation)  | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 11:52 |
| S39 | 37  | "swash plate" and (hydrodynamic with bearing)  | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 12:27 |
| S40 | 190 | "swash plate" and (rotation with sensor)   | USPAT;<br>USOCR              | OR . | ON  | 2006/12/15 12:41 |
| S41 | 178 | pump and (rotation with (sensor or detector) with (tooth or teeth))  | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 12:43 |
| S42 | 4   | ("swash plate" or "wobble plate") and (rotation with (sensor or detector) with (tooth or teeth))                         | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 12:46 |
| S43 | 4   | ("swash plate" or "wobble plate") and<br>(rotation with (sensor or detector)<br>with (tooth or teeth or groove))         | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 12:47 |
| S44 | 5   | ("swash plate" or "wobble plate") and (rotation with (sensor or detector) with (tooth or teeth or groove or protrusion)) | USPAT;<br>USOCR              | OR   | ON  | 2006/12/15 12:47 |
| S45 | 6   | ("5173032"   "5316446"   "5573379"  <br>"5577894"   "5836748"   "6203284").<br>PN. OR ("6517321").URPN.                  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | OFF | 2006/12/19 04:39 |